CLAIMS

1. A wireless terminal, comprising:

communication means for exchanging, with a base device, either (i) video data and/or audio data, or (ii) a control command containing transmission channel switching information;

communication condition detection means for detecting a communication condition; and

indication means for indicating at least a transmission condition of the control command, according to the communication condition detected by the communication condition detection means.

2. The wireless terminal according to Claim 1, further comprising:

transmission channel maintaining means for (i) measuring time from which communication is interrupted, and (ii) maintaining a transmission channel until a predetermined period of time has elapsed since interruption of the communication.

3. The wireless terminal according to Claim 1 or 2, wherein the communication condition detection means detects the communication condition according to at least one of (i) an electric field intensity of a received radio

wave, (ii) an error rate, and (iii) a number of times of retransmission request made based on the error rate.

4. The wireless terminal according to any one of Claims 1 to 3, wherein the communication condition detection means detects the communication condition with the base device, with which a communications link is established.

5. The wireless terminal according to any one of Claims 1 to 4, wherein the indication means indicates at least any one of reception sensitivity information items indicating that the video data and/or the audio data are interrupted, that transmission channels are being switched, that connection is being made, and that the wireless terminal is out of communication range.

6. The wireless terminal according to any one of Claims 1 to 5, wherein the indication means either displays a message by using display means or carries out message sound production by using audio output means.

7. The wireless terminal according to any one of Claims 1 to 6, wherein the wireless terminal switches the transmission channels either (i) every cycle corresponding

to not less than a period during which the base device selects all the transmission channels, or (ii) every cycle corresponding to a period during which the base device selects all the transmission channels and which corresponds to time in which the wireless terminal maintains one of the transmission channels.

8. The wireless terminal according to any one of Claims 1 to 7, wherein the communication means transmits either (i) the video data and/or the audio data, or (ii) the control command, in accordance with a spread spectrum wireless method.

9. The wireless terminal according to any one of Claims 1 to 8, wherein the communication means performs low-power short-distance two-way wireless communication in conformity to wireless LAN, or Bluetooth, and Ultra Wide Band.

10. The wireless terminal according to any one of Claims 1 to 9, wherein the communication means transmits the video data and/or the audio data in a form of an MPEG stream encoded in conformity with an MPEG-2 encoding method.

11. The wireless terminal according to any one of Claims 1 to 10, comprising:

a display device for displaying a video signal according to the video data that the display device receives.

12. The wireless terminal according to any one of Claims 1 to 11, the communication condition detection means determines whether or not an image displayed by the display device is distorted.

13. A base device for exchanging, with the wireless terminal according to any one of Claims 1 to 12, either (i) video data and/or audio data, or (ii) a control command containing transmission channel switching information.

14. The base device according to Claim 13, comprising:

communication condition detection means for detecting a communication condition,

the base device transmitting, to the wireless terminal, information indicative of the communication condition detected by the communication condition detection means.

15. The base device according to Claim 13 or 14,

wherein the wireless terminal switches the transmission channels either (i) every cycle corresponding to not less than a period during which the wireless terminal selects all the transmission channels, or (ii) every cycle corresponding to a period during which the base device selects all the transmission channels and which corresponds to time in which the wireless terminal maintains one of the transmission channels.

16. The base device according to Claims 13 to 15, wherein the video data and/or the audio data is received via a broadcast receiving tuner.

17. A wireless system, comprising:

the wireless terminal according to Claim 1; and

a base device for exchanging, with the wireless terminal, either (i) video data and/or audio data, or (ii) a control command containing transmission channel switching information.

18. A method for controlling a wireless terminal which constitutes a wireless system having the wireless terminal and a base device which are connected to each other through a wireless network, the method comprising the steps of:

exchanging, with the base device, either (i) video data and/or audio data, or (ii) a control command containing transmission channel switching information;

detecting a communication condition; and

indicating a transmission condition of at least the control command according to the communication condition that has been detected.

19. A program for controlling the wireless terminal according to Claim 1, the program causing a computer to function as each of the means.

20. A computer-readable storage medium, storing the wireless terminal control program according to Claim 19.